



**Re: SWMM Bozeman**  
**Lisa Kusnierz** to: Makus, Erik  
Cc: "Schmidt, Christian"

10/17/2012 02:37 PM

Hi Erik,

Here are the model-related comments we received for sediment from the city...

"Regarding the MS4 Permit, use of the existing SWMM model is a very poor tool for developing the TMDL background load and proposed allocation. The SWMM model was conducted on a very limited portion of the City's MS4 system, is not representative of the entire MS4 system, and was not calibrated at the time of original development. The data used and shown in Figures 5-5 and 5-6 are from our very limited DMR sampling and only uses the two sampling locations selected for our MS4 permit. Not only is the data set small, but the locations used are very limited in encompassing the characteristics of the City's stormwater. The 'industrial site' sampled near our shops is consistently very high in pollutants and isn't indicative of Bozeman stormwater."

"In addition, the City's stormwater system is poorly mapped and incapable of being utilized for a system-wide stormwater model. If the department utilized this model, please provide additional data indicating what modifications were made to the original model and associated calibration data. A synopsis of the changes should be included in the TMDL document and, at a minimum, input and output data from the model run should be included within an appendix at the end of the TMDL."

I remember seeing a write-up you did for the model but did you ever write an official report we could cite or attach to the document? My current section briefly discusses the model and then references Christian's discussion for more details.

---

Lisa Kusnierz  
U.S. EPA, Montana Office  
10 West 15th Street, Suite 3200  
Helena, MT 59626  
Kusnierz.Lisa@epa.gov  
(406) 457-5001

"Schmidt, Christian"

Erik, Lisa Kusnierz is addressing public comm...

10/17/2012 01:52:38 PM

---

From: "Schmidt, Christian" <CSchmidt2@mt.gov>  
To: "Makus, Erik" <EMakus@mt.gov>  
Cc: Lisa Kusnierz/MO/R8/USEPA/US@EPA  
Date: 10/17/2012 01:52 PM  
Subject: SWMM Bozeman

---

Erik,

Lisa Kusnierz is addressing public comments for the Lower Gallatin document. She needs to know what the assumptions or changes were to the SWMM model that HDR developed that you then used. Her office number is 457-5001 if you need to contact her.

Thanks for your help,  
Christian

---

Christian Schmidt  
Senior TMDL Planner, MT DEQ  
406-444-6777  
cschmidt2@mt.gov